

IN THE CLAIMS

Please amend claims 67-72 by rewriting the same to the following:

--67. (Amended) A method of recording data on an optical disk having a diameter less than 140 mm and a recording area divided into a lead-in area, a program area and a lead-out area, said method comprising the steps of providing user information for recording in a plurality of sectors in user track regions; providing table of contents (TOC) information for recording in a plurality of sectors in at least one TOC track, said TOC information including addresses of respective start sectors, each identifying a start sector of a respective user track; encoding both said user information and said TOC information in a long distance error correction code having at least eight parity symbols; modulating the encoded user and TOC information; recording the modulated, encoded TOC information in said at least one TOC track in either said lead-in area or said program area; and recording the modulated, encoded user information in said user track regions in said program area with a track pitch in the range between 0.646 μm and 1.05 μm and with a linear density in the range between 0.237 μm per bit and 0.387 μm per bit,

--68. (Amended) Apparatus for recording data on an optical disk having a diameter less than 140 mm and a recording area divided into a lead-in area, a program area and a lead-out area, said apparatus comprising: input means for providing user information for recording in a plurality of sectors in user track regions and table of contents (TOC) information for recording in a plurality of sectors in at least one TOC track, said TOC information including addresses of respective start sectors, each identifying a start sector of a respective user track; encoding means for encoding both said user information and said TOC information in a long distance error correction code having at least eight parity symbols; modular means for modulating the encoded user and TOC information; and recording means for recording the

modulated, encoded TOC information in said at least one TOC track in either said lead-in area or said program area and the modulated, encoded user information in said user track regions in said program area with a track pitch in the range between $0.646\text{ }\mu\text{m}$ and $1.05\text{ }\mu\text{m}$ and with a linear density in the range between $0.237\text{ }\mu\text{m}$ per bit and $0.387\text{ }\mu\text{m}$ per bit.-

--69. (Amended) A method of recording data on an optical disk having a diameter less than 140 mm and a recording area divided into a lead-in area, a program area and a lead-out area, said method comprising the steps of: providing user information for recording in a plurality of sectors in user track regions; providing table of contents (TOC) information for recording in a plurality of sectors in at least one TOC track, said TOC information including addresses of respective start sectors, each identifying a start sector of a respective user track; encoding both said user information and said TOC information in a long distance error correction code having at least eight parity symbols; modulating the encoded user and TOC information; recording the modulated, encoded TOC information in said at least one TOC track in either said lead-in area or said program area; and recording the modulated, encoded user information in said user track regions in said program area with a track pitch in the range between $0.7\mu\text{m}$ and $0.9\text{ }\mu\text{m}$.--

--70. (Amended) Apparatus for recording data on an optical disk having a diameter less than 140 mm and a recording area divided into a lead-in area, a program area and a lead-out area, said apparatus comprising: input means for providing user information for recording in a plurality of sectors in user track regions and table of contents (TOC) information for recording in a plurality of sectors in at least one TOC track, said TOC information including addresses of respective start sectors, each identifying a start sector of a respective user track; encoding means for encoding both said user information and said TOC information in a long

distance error correction code having at least eight parity symbols; modular means for modulating the encoded user and TOC information; and recording means for recording the modulated, encoded TOC information in said at least one TOC track in either said lead-in area or said program area and the modulated, encoded user information in said user track regions in said program area with a track pitch in the range between $0.7\text{-}\mu\text{m}$ and $0.9\text{ }\mu\text{m}$.

--71. (Amended) A method of recording data on an optical disk having a diameter less than 140 mm and a recording area divided into a lead-in area, a program area and a lead-out area, said method comprising the steps of: providing user information for recording in a plurality of sectors in user track regions; providing table of contents (TOC) information for recording in a plurality of sectors in at least one TOC track, said TOC information including addresses of respective start sectors, each identifying a start sector of a respective user track; encoding both said user information and said TOC information in a long distance error correction code having at least eight parity symbols; modulating the encoded user and TOC information; recording the modulated, encoded TOC information in said at least one TOC track in either said lead-in area or said program area; and recording the modulated, encoded user information in said user track regions in said program area with a track pitch in the range between $0.646\text{ }\mu\text{m}$ and $1.05\text{ }\mu\text{m}$, wherein said optical disk has a linear velocity in the range of 3.3 m to 5.3 m per second during a playback operation.--

--72. (Amended) Apparatus for recording data on an optical disk having a diameter less than 140 mm and a recording area divided into a lead-in area, a program area and a lead-out area, said apparatus comprising: input means for providing user information for recording in a plurality of sectors in user track regions and table of contents (TOC) information for recording in a plurality of sectors in at least one TOC track, said TOC information including